

Yuan Chong Jason Lim

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,566
citations

279487

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41
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44
all docs

44
docs citations

44
times ranked

2437
citing authors

#	ARTICLE	IF	CITATIONS
1	Face Masks in the New COVID-19 Normal: Materials, Testing, and Perspectives. <i>Research</i> , 2020, 2020, 7286735.	2.8	306
2	Sigma-Hole Interactions in Anion Recognition. <i>CheM</i> , 2018, 4, 731-783.	5.8	280
3	Chalcogen Bonding Macrocycles and [2]Rotaxanes for Anion Recognition. <i>Journal of the American Chemical Society</i> , 2017, 139, 3122-3133.	6.6	187
4	Anion Recognition in Water by Charge-Neutral Halogen and Chalcogen Bonding Foldamer Receptors. <i>Journal of the American Chemical Society</i> , 2019, 141, 4119-4129.	6.6	174
5	A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 584-588.	7.2	139
6	Enantioselective Anion Recognition by Chiral Halogen-Bonding [2]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12228-12239.	6.6	110
7	Molecular gel sorbent materials for environmental remediation and wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18759-18791.	5.2	102
8	Recent advances in supramolecular hydrogels for biomedical applications. <i>Materials Today Advances</i> , 2019, 3, 100021.	2.5	93
9	Polyolefins and Polystyrene as Chemical Resources for a Sustainable Future: Challenges, Advances, and Prospects. , 2021, 3, 1660-1676.		89
10	Halogen bonding-enhanced electrochemical halide anion sensing by redox-active ferrocene receptors. <i>Chemical Communications</i> , 2015, 51, 14640-14643.	2.2	81
11	Enhancing the enantioselective recognition and sensing of chiral anions by halogen bonding. <i>Chemical Communications</i> , 2016, 52, 5527-5530.	2.2	74
12	Superior perchlorate anion recognition in water by a halogen bonding acyclic receptor. <i>Chemical Communications</i> , 2015, 51, 3686-3688.	2.2	64
13	Neutral iodotriazole foldamers as tetradentate halogen bonding anion receptors. <i>Chemical Communications</i> , 2017, 53, 2483-2486.	2.2	63
14	Chiral halogen and chalcogen bonding receptors for discrimination of stereo- and geometric dicarboxylate isomers in aqueous media. <i>Chemical Communications</i> , 2018, 54, 10851-10854.	2.2	62
15	A functionalised nickel cyclam catalyst for CO ₂ reduction: electrocatalysis, semiconductor surface immobilisation and light-driven electron transfer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1562-1566.	1.3	58
16	Isoselective Lactide Ring Opening Polymerisation using [2]Rotaxane Catalysts. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6007-6011.	7.2	57
17	Polymeric hydrogels as a vitreous replacement strategy in the eye. <i>Biomaterials</i> , 2021, 268, 120547.	5.7	51
18	Thermodynamics of Anion Binding by Chalcogen Bonding Receptors. <i>Chemistry - A European Journal</i> , 2018, 24, 14560-14566.	1.7	49

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19	A Halogen Bonding 1,3-Disubstituted Ferrocene Receptor for Recognition and Redox Sensing of Azide. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 220-224.	1.0	46
20	Bottom-Up Engineering of Responsive Hydrogel Materials for Molecular Detection and Biosensing. , 2020, 2, 918-950.		46
21	Strong and Selective Halide Anion Binding by Neutral Halogen-Bonding [2]Rotaxanes in Wet Organic Solvents. <i>Chemistry - A European Journal</i> , 2017, 23, 4700-4707.	1.7	44
22	Thermogelling chitosan-based polymers for the treatment of oral mucosa ulcers. <i>Biomaterials Science</i> , 2020, 8, 1364-1379.	2.6	42
23	A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. <i>Angewandte Chemie</i> , 2018, 130, 593-597.	1.6	35
24	Antiangiogenic Nanomicelles for the Topical Delivery of Aflibercept to Treat Retinal Neovascular Disease. <i>Advanced Materials</i> , 2022, 34, e2108360.	11.1	32
25	Electrochemical Bromide Sensing with a Halogen Bonding [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3433-3441.	1.2	29
26	PCL-Based Thermogelling Polymer: Molecular Weight Effects on Its Suitability as Vitreous Tamponade. <i>ACS Applied Bio Materials</i> , 2020, 3, 9043-9053.	2.3	27
27	Neutral redox-active hydrogen- and halogen-bonding [2]rotaxanes for the electrochemical sensing of chloride. <i>Dalton Transactions</i> , 2014, 43, 17274-17282.	1.6	23
28	A pyrrole-containing cleft-type halogen bonding receptor for oxoanion recognition and sensing in aqueous solvent media. <i>New Journal of Chemistry</i> , 2018, 42, 10472-10475.	1.4	23
29	Isoselective Lactide Ring Opening Polymerisation using [2]Rotaxane Catalysts. <i>Angewandte Chemie</i> , 2019, 131, 6068-6072.	1.6	21
30	The Thermogel Chronicle—From Rational Design of Thermogelling Copolymers to Advanced Thermogel Applications. <i>Accounts of Materials Research</i> , 2021, 2, 881-894.	5.9	20
31	Acid-Regulated Switching of Metal Cation and Anion Guest Binding in Halogen-Bonding Rotaxanes. <i>Chemistry - A European Journal</i> , 2018, 24, 17788-17795.	1.7	19
32	High molecular weight hyper-branched PCL-based thermogelling vitreous endotamponades. <i>Biomaterials</i> , 2022, 280, 121262.	5.7	19
33	Establishing empirical design rules of nucleic acid templates for the synthesis of silver nanoclusters with tunable photoluminescence and functionalities towards targeted bioimaging applications. <i>Nanoscale Advances</i> , 2020, 2, 3921-3932.	2.2	18
34	A bio-functional polymer that prevents retinal scarring through modulation of NRF2 signalling pathway. <i>Nature Communications</i> , 2022, 13, 2796.	5.8	16
35	Catalysts developed from waste plastics: a versatile system for biomass conversion. <i>Materials Today Chemistry</i> , 2021, 21, 100524.	1.7	13
36	Hofmeister effects of anions on self-assembled thermogels. <i>Materials Today Chemistry</i> , 2022, 23, 100674.	1.7	10

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37	Zinc diethyldithiocarbamate as a catalyst for synthesising biomedically-relevant thermogelling polyurethanes. <i>Materials Advances</i> , 2020, 1, 3221-3232.	2.6	9
38	Supramolecular thermogels from branched PCL-containing polyurethanes. <i>RSC Advances</i> , 2020, 10, 39109-39120.	1.7	8
39	Halogen Bonding Ionophore for Potentiometric Iodide Sensing. <i>Analytical Chemistry</i> , 2021, 93, 15543-15549.	3.2	8
40	Halide Salt-Catalyzed Crosslinked Polyurethanes for Supercapacitor Gel Electrolyte Applications. <i>ChemSusChem</i> , 2021, 14, 3237-3243.	3.6	7
41	Branched PCL-Based Thermogelling Copolymers: Controlling Polymer Architecture to Tune Drug Release Profiles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 864372.	2.0	5
42	Cationic all-halogen bonding rotaxanes for halide anion recognition. <i>Faraday Discussions</i> , 2017, 203, 245-255.	1.6	4
43	Versatile and Extendable Boronate-Based Tunable Hydrogel Networks for Patterning Applications. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5091-5102.	2.0	2
44	Development of Long Term Stable Multiple-Ion- Selective Sensors for Agriculture and Aquaculture applications. , 2020, , .		1